

Paul Pepler
GZA GeoEnvironmental, Inc. (NH)
380 Harvey Road
Manchester, NH 03103



Subject: Laboratory Report

Eastern Analytical, Inc. ID: 128524

Client Identification: PSNH-MK | 3902

Date Received: 1/29/2014

Dear Mr. Pepler:

Enclosed please find the laboratory report for the above identified project. All analyses were performed in accordance with our QA/QC Program. Unless otherwise stated, holding times, preservation techniques, container types, and sample conditions adhered to EPA Protocol. Samples which were collected by Eastern Analytical, Inc. (EAI) were collected in accordance with approved EPA procedures. Eastern Analytical, Inc. certifies that the enclosed test results meet all requirements of NELAP and other applicable state certifications. Please refer to our website at www.eailabs.com for a copy of our NELAP certificate and accredited parameters.

The following standard abbreviations and conventions apply to all EAI reports:

Solid samples are reported on a dry weight basis, unless otherwise noted

< : "less than" followed by the reporting limit

> : "greater than" followed by the reporting limit

%R: % Recovery

Eastern Analytical Inc. maintains certification in the following states: Connecticut (PH-0492), Maine (NH005), Massachusetts (M-NH005), New Hampshire/NELAP (1012), Rhode Island (269) and Vermont (VT1012).

The following information is contained within this report: Sample Conditions summary, Analytical Results/Data, Quality Control data (if requested) and copies of the Chain of Custody. This report may not be reproduced except in full, without the the written approval of the laboratory.

If you have any questions regarding the results contained within, please feel free to directly contact me or the chemist(s) who performed the testing in question. Unless otherwise requested, we will dispose of the sample(s) 30 days from the sample receipt date.

We appreciate this opportunity to be of service and look forward to your continued patronage.

Sincerely,

Lorraine Olashaw, Lab Director

2 .19 .14

Date

of pages (excluding cover letter)

EAI ID#: 128524

Client: GZA GeoEnvironmental, Inc. (NH)
Client Designation: PSNH-MK | 3902

Temperature upon receipt (°C): 6.1

Received on ice or cold packs (Yes/No): Y

Acceptable temperature range (°C): 0-6

Sample ID

Date Date Sample % Dry

Received Sampled Matrix Weight Exceptions/Comments (other than thermal preservation)

Lab ID 128524.01

Combination WW

1/29/14 1/29/14

aqueous

Adheres to Sample Acceptance Policy

Samples were properly preserved and the pH measured when applicable unless otherwise noted. Analysis of solids for pH, Flashpoint, Ignitibility, Paint Filter, Corrosivity, Conductivity and Specific Gravity are reported on an "as received" basis.

Immediate analyses, pH, Total Residual Chlorine, Dissolved Oxygen and Sulfite, performed at the laboratory were run outside of the recommended 15 minute hold time.

All results contained in this report relate only to the above listed samples.

References include:

- 1) EPA 600/4-79-020, 1983
- 2) Standard Methods for Examination of Water and Wastewater, 20th Edition, 1998 and 22nd Edition, 2012
- 3) Test Methods for Evaluating Solid Waste SW 846 3rd Edition including updates IVA and IVB
- 4) Hach Water Analysis Handbook, 2nd edition, 1992



EAI ID#: 128524

Client: GZA GeoEnvironmental, Inc. (NH)
Client Designation: PSNH-MK | 3902

Sample ID:

Combination WW

Lab Sample ID:	128524.01
Matrix:	aqueous
Date Sampled:	1/29/14
Date Received:	1/29/14
Units:	mg/L
Date of Extraction/Prep:	1/30/14
Date of Analysis:	1/30/14
Analyst:	SH
Method:	1664B
Dilution Factor:	1

Oil & Grease (HEM)

14



Client: GZA GeoEnvironmental, Inc. (NH)

Client Designation: PSNH-MK | 3902

EAI ID#: 128524

Batch ID: 635266-73478/A013014OG1661

Parameter Name	Blank	LCS	LCSD	Analysis Date	Units	Limits	RPD	Method
Oil & Grease (HEM)	< 5	36 (89 %R)	35 (87 %R) (2 RPD) 1/30/2014	mg/L	78 - 114	18	1664B

Samples were extracted and analyzed within holding time limits.

Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

Sample surrogate recoveries met the above stated criteria.

The associated matrix spikes and/or Laboratory Control Samples met acceptance criteria.

There were no exceptions in the analyses, unless noted.

*/! Flagged analyte recoveries deviated from the QA/QC limits. Unless noted below, flagged analytes that exceed acceptance limits in the Quality Control sample were not detected in the field samples.



EAI ID#: 128524

Client: GZA GeoEnvironmental, Inc. (NH)

Combination WW

Client Designation: PSNH-MK | 3902

Sample ID:

CBOD

COD

Lab Sample ID: 128524.01

< 6

5100

Matrix: aqueous Date Sampled: 1/29/14 1/29/14 Date Received: Solids Total 350000 Solids Suspended 87 Chloride 150000 Nitrite-N 45 Nitrate-N 2500 Ammonia-N 4.3 TKN 200 Total Nitrogen 2745 Total Phosphorus-P < 1

Units	Date	Time	Method	Analyst
mg/L	1/30/14	15:20	2540B-97	scw
mg/L	1/31/14	10:00	2540D-97	SCW
mg/L	1/30/14	16:20	4500CIE-97	KD
mg/L	1/30/14	15:58	353.2	KD
mg/L	1/30/14	16:49	353.2	KD
mg/L	2/04/14	13:30	4500NH3D	KJP
mg/L	1/30/14	11:28	4500N _{orq} C/N	SEL
mg/L	2/03/14	10:30	4500 _{ora} C/NC	SEL
mg/L	2/03/14	11:26	365.1	SEL
mg/L	1/30/14	10:57	5210B-01	SCW
mg/L	2/03/14	12:00	H8000	SCW

Analysis

Total Phosphorus-P: Due to sample dilution the detection limit was elevated.

Total Nitrogen is determined by the addition of Nitrate-N, Nitrite-N and TKN (TKN = Ammonia plus TON) concentrations.



EAI ID#: 128524

Client: GZA GeoEnvironmental, Inc. (NH)

Client Designation: PSNH-MK | 3902

Parameter Name	Blank	LCS	LCSD	Date of Units Analysis	Limits	RPD	Method
Solids Total	< 10	1080 (98% Rec)	NA	mg/L 1/30/14	85 - 115	,	2540B-97
Solids Suspended	< 5	90 (99 %R)	89 (98 %R) (1 RPD)	mg/L 1/31/14	90 - 110		2540D-97
Chloride	< 1	26 (103 %R)	26 (105 %R) (2 RPD)	mg/L 1/30/14	90 - 110		4500CIE-97
Nitrite-N	< 0.5	5.3 (106 %R)	5.3 (105 %R) (1 RPD)	mg/L 1/30/14	90 - 110	20	353.2
Nitrate-N	< 0.5	5.3 (105 %R)	5.3 (106 %R) (1 RPD)	mg/L 1/30/14	90 - 110	20	353.2
Ammonia-N	< 0.05	2.1 (103 %R)	2.0 (101 %R) (2 RPD)	mg/L 2/4/14	90 - 110	20	4500NH3D
TKN	< 0.5	10 (102 %R)	10 (101 %R) (1 RPD)	mg/L 1/30/14	90 - 110	20	4500N _{orr} C/N
Total Phosphorus-P	< 0.01	0.29 (98 %R)	0.29 (97 %R) (1 RPD)	mg/L 2/3/14	90 - 110	20	365.1
CBOD	< 6	360 (91 %R)	360 (90 %R) (1 RPD)	mg/L 1/30/14	60 - 120	20	5210B-01
COD	< 10	98 (98 %R)	98 (98 %R) (0 RPD)	mg/L 2/3/14	85 - 115	20	H8000

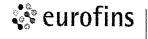
Samples were analyzed within holding times unless noted on the sample results page. Instrumentation was calibrated in accordance with the method requirements.

The method blanks were free of contamination at the reporting limits.

The associated matrix spikes and/or Laboratory Control Samples met the above stated criteria.

Exceptions to the above statements are flagged or noted above or on the QC Narrative page.

^{*/!} Flagged analyte recoveries deviated from the QA/QC limits.



13 February 2014

Jeff Gagne
Eastern Analytical, Inc
25 Chenell Drive
Concord, NH 03301

RE: Merrimack Station 200.8

Ly Siska

Enclosed are the analytical results for samples received by Eurofins Frontier Global Sciences. All quality control measurements are within established control limits and there were no analytical difficulties encountered with the exception of those listed in the case narrative section of this report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Liz Siska

Project Manager



11720 Northcreek Pkwy N, Suite 400 Bothell, WA 98011 425.686.1996 Phone 425.686.3096 Fax

Eastern Analytical, Inc

Project: Merrimack Station 200.8

25 Chenell Drive

Project Number: -

Reported:

Concord NH, 03301

Project Manager: Jeff Gagne

13-Feb-14 13:59

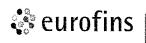
ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Combination WW	1401656-01	Water	29-Jan-14 07:50	30-Jan-14 10:45
B-131151 Field Blank Hg	1401656-02	Water	29-Jan-14 07:50	30-Jan-14 10:45

Eurofins Frontier Global Sciences, Inc.

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Liz Siska, Project Manager



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Eastern Analytical, Inc

Project: Merrimack Station 200.8

25 Chenell Drive

Project Number: - Reported:
Concord NH, 03301

Project Manager: Jeff Gagne

13-Feb-14 13:59

SAMPLE RECEIPT

Samples were received at Eurofins Frontier Global Sciences (EFGS) on 1/30/2014 10:45:00 AM. The samples were received intact, on-ice within a sealed cooler at 4.8 degrees Celsius.

SAMPLE PREPARATION AND ANALYSIS

Samples were prepared and analyzed for total mercury by flow injection atomic fluorescence spectrometry (FI-AFS) in accordance with EPA 1631E.

Samples were prepared and analyzed for total recoverable metals by inductively coupled plasma mass spectrometry (ICP-MS) in KED mode in accordance with EPA 200.8 (EFGS-054).

ANALYTICAL AND QUALITY CONTROL ISSUES

Method blanks were prepared for every preparation to assess possible blank contribution from the sample preparation procedure. The method blanks were carried through the entire analytical procedure. All blanks fell within the established acceptance criteria with the exception of any items narrated above or flagged and described in the notes and definitions section of the report.

Liquid spikes, certified reference material (CRM) or a quality control samples (QCS) were prepared for every preparation as a measure of accuracy. All liquid spikes, CRMs and/or QCS samples fell within the established acceptance criteria with the exception of any items narrated above or flagged and described in the notes and definitions section of the report.

As an additional measure of the accuracy of the methods used and to check for matrix interference, matrix spikes (MS) and matrix spike duplicates (MSD) were digested and analyzed. All of the matrix spike recoveries fell within the established acceptance criteria with the exception of any items flagged and described in the notes and definitions section of the report.

A reasonable measure of the precision of the analytical methods is the relative percent difference (RPD) between a matrix spike recovery and a matrix spike duplicate recovery and between laboratory control sample recovery and laboratory control sample duplicate recoveries. All of the relative percent differences established acceptance criteria with the exception of any items flagged and described in the notes and definitions section of the report.

Eurofins Frontier Global Sciences, Inc.

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Liz Siska, Project Manager



Sampled by: Custody seals signed: Date and time of collection: Chain of Custody: Custody Seals are present and intact: The coolers do not appear to be tampered with: Internal COC required: Preservation type: Sample ID/Description: Cooler Information: Required signatures: # of Coolers Received: Requested analyses: Coolant: None/Ambient MLoose Ice Gel Ice client: Eastern Analytical Anomalies/Non-conformances (attach additional pages if needed): Y/N/NA (SAS Samples Arrived By: V Shipping Service Courier Hand Other (Specify: Y/N/NA Comments Sample Receipt Checklist ☐ Dry Ice Comments Date & Time Received: 1/30/14 10:45 Received By: Sample volume sufficient for requested analyses: Sample ID on container/bag matches COC: Sample labels are present and legible: Sample containers intact/present: Correct preservative used for requested analyses: Samples received within holding times: Sample Condition/Integrity: Correct sample containers used: Coolant Required: Y TID: 5225 CF Cooler 1: 5. 4°C Cooler 3: Cooler 2: Ų CF: -06 °C | Date/time: 1/30 Temp Blank Used: Y/N for Cooler(s):_____ W/CF: w/ CF: w/ cF: 4.8 Y/N/NA EFGS Work Order: 1A01656 'n റ് റ് Cooler 6: Cooler 5: Cooler 4: Date Labeled: 1/31/14Labeled By: AMB Comments റ് ń w/ cF: w/ CF: w/cf: o,

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(AG) (J 5 (P)
Chain of Custody Record & Laboratory Analysis Request:
Air, Water, Sediments, Plant and Animal Tissue,
Hydrocarbon & Other Samples

11720 Northcreek Pkwy N, Suite 400 Bothell, WA 98011 Phone: 425-686-1996 Fax: 425-686-3096

info@FrontierG5.com

1401656

Client: Eastern Analytical, Inc Project: Merrimack Station

Eurofins Frontier Global Sciences, Inc.

Project Manager: Liz Siska

Preservation Label Confirmation

*		A Correct t	2)(1	AND HILL LOUN AVER	电子系统交流 医乳头虫
	ĵ		, m, C	950 ml PRTG 1631	1401656-D2-A
		RED	HNO3	250 mL PETG 1638/200.8	1.401656-01 B
SIM	L	MOTTEX	BiO	250 ml. PETG 1631	1401656-01 A
Labeled By	Lab	Label Color	Preservative	Bottle Type	Sample Bottle

Page 6 of 14



11720 Northcreek Pkwy N, Suite 400 Bothell, WA 98011 425.686.1996 Phone 425.686.3096 Fax

Eastern Analytical, Inc Project: Merrimack Station 200.8
25 Chenell Drive Project Number: - Reported:
Concord NH, 03301 Project Manager: Jeff Gagne 13-Feb-14 13:59

Combination WW

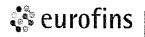
1401656-01

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EFGS-05	2 Closed Vessel N	itric Ove	n Digestio	n							
Silver	0.633	-	2.02	μg/L	100	F402078	10-Feb-14	4B11003	10-Feb-14	EPA 200.8	U
Arsenic	28.8	-	30.3	μg/L	100	F402010	03-Feb-14	4B06008	06-Feb-14	EPA 200.8	R-05, U
Sample Preparation: EPA 163	1E BrCl Oxidation	n									
Mercury	25.5	-	5,05	ng/L	10	F402004	01-Feb-14	4B03008	03-Feb-14	EPA 1631E	

Eurofins Frontier Global Sciences, Inc.

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Eastern Analytical, Inc

Project: Merrimack Station 200.8

25 Chenell Drive

Project Number:
Concord NH, 03301

Project Manager: Jeff Gagne

13-Feb-14 13:59

B-131151 Field Blank Hg

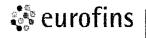
1401656-02

Analyte	Result	Detection Limit	Reporting Limit	Units	Dilution	Batch	Prepared	Sequence	Analyzed	Method	Notes
Sample Preparation: EPA 1631E B	rCl Oxidation										
Mercury	ND	-	0.50	ng/L	1	F402004	01-Feb-14	4B03008	03-Feb-14	EPA 1631E	U

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J. Jesna



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Eastern Analytical, Inc

Project: Merrimack Station 200.8

25 Chenell Drive

Project Number: -

Reported:

Concord NH, 03301

Project Manager: Jeff Gagne

13-Feb-14 13:59

Quality Control Data

Batch F402004 - EPA 1631E BrCl Oxidation Blank (F402004-BLK1) Prepared & Analyzed: 03-ng/L Blank (F402004-BLK2) Prepared & Analyzed: 03-ng/L Mercury ND - 0.50 ng/L Blank (F402004-BLK3) Prepared & Analyzed: 03-ng/L Mercury ND - 0.50 ng/L Blank (F402004-BLK4) Prepared & Analyzed: 03-ng/L Mercury ND - 0.50 ng/L		Limits	RPD	Limit	Notes
Blank (F402004-BLK1) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L Blank (F402004-BLK2) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L Blank (F402004-BLK3) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L Blank (F402004-BLK4) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L	-Feb-14				
Mercury ND - 0.50 ng/L	-Feb-14				
Blank (F402004-BLK2) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L Blank (F402004-BLK3) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L Blank (F402004-BLK4) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L					
Mercury ND - 0.50 ng/L Blank (F402004-BLK3) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L Blank (F402004-BLK4) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L					υ
Blank (F402004-BLK3) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L Blank (F402004-BLK4) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L	-Feb-14				
Mercury ND - 0.50 ng/L Blank (F402004-BLK4) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L					υ
Blank (F402004-BLK4) Prepared & Analyzed: 03- Mercury ND - 0.50 ng/L	-Feb-14				
Mercury ND - 0.50 ng/L					υ
•	-Feb-14				QB-04
					QB-04, U
LCS (F402004-BS1) Prepared & Analyzed: 03-	-Feb-14			·	
Mercury 16.02 - 0.50 ng/L 15.679	102 8	30-120			
LCS Dup (F402004-BSD1) Prepared & Analyzed: 03-	-Feb-14				
Mercury 16.08 - 0.50 ng/L 15.679	103 8	30-120	0.402	24	
Duplicate (F402004-DUP1) Source: 1401607-03 Prepared & Analyzed: 03-	-Feb-14				
Mercury 5.55 - 0.50 ng/L 5.12			8.06	24	
Matrix Spike (F402004-MS1) Source: 1401607-03 Prepared & Analyzed: 03-	Prepared & Analyzed: 03-Feb-14				
Mercury 23.98 - 0.50 ng/L 20.400 5.12	92.4 7	1-125			
Matrix Spike (F402004-MS2) Source: 1401688-03 Prepared & Analyzed: 03	-Feb-14				
Mercury 23.33 - 0.50 ng/L 20.400 4.59	91.8	71-125			
Matrix Spike Dup (F402004-MSD1) Source: 1401607-03 Prepared & Analyzed: 03	Prepared & Analyzed: 03-Feb-14				
Mercury 20.87 - 0.50 ng/L 20.400 5.12	-Feb-14				

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Liz Siska



11720 Northcreek Pkwy N, Suite 400 Bothell, WA 98011 425.686.1996 Phone 425.686.3096 Fax

Eastern Analytical, Inc 25 Chenell Drive

Concord NH, 03301

Project: Merrimack Station 200.8

Project Number: -

Project Manager: Jeff Gagne

Reported:

13-Feb-14 13:59

Quality Control Data

		Detection	Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch F402004 - EPA 1631E BrCl Oxidation

Matrix Spike Dup (F402004-MSD2)		Source:	1401688-03	-	Prepared &		03-Feb-14				
Mercury	24.40	-	0.50	ng/L	20.400	4.59	97.1	71-125	4.49	24	

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Eastern Analytical, Inc 25 Chenell Drive

Concord NH, 03301

Project: Merrimack Station 200.8

Project Number: -

Project Manager: Jeff Gagne

Reported:

13-Feb-14 13:59

Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch F402010 - EFGS-052 Closed	Vessel Nitric (Oven Diges	tion								
Blank (F402010-BLK1)					Prepared: ()3-Feb-14 A	Analyzed: 0	4-Feb-14			
Arsenic	ND	-	0.30	μg/L							U
Blank (F402010-BLK2)					Prepared: ()3-Feb-14 A	Analyzed: 0	4-Feb-14			
Arsenic	ND	-	0.30	μg/L							U
LCS (F402010-BS2)					Prepared: ()3-Feb-14 <i>A</i>	Analyzed: 0	4-Feb-14			
Arsenic	47.62	-	1.51	μg/L	49.960		95.3	85-115			
LCS Dup (F402010-BSD2)					Prepared: ()3-Feb-14 A	Analyzed: 0	4-Feb-14			
Arsenic	50.98	-	1.51	μg/L	49.960	<u>-</u> A.	102	85-115	6.82	20	
Matrix Spike (F402010-MS1)		Source: 1401611-01			Prepared: 03-Feb-14 Analyzed: 04-Feb-14						
Arsenic	73.08	-	15.2	μg/L	49.960	ND	146	70-130			QM-07
Matrix Spike (F402010-MS2)		Source: 1401633-01			Prepared: 03-Feb-14 Analyzed: 04-Feb-14						
Arsenic	62.89	-	15.2	μg/L	49.960	ND	126	70-130			
Matrix Spike (F402010-MS3)		Source:	1401611-01		Prepared: 03-Feb-14 Analyzed: 04-Feb-14						
Arsenic	963.5	-	15.1	μg/L	1025.0	ND	94.0	70-130			AS
Matrix Spike (F402010-MS4)		Source:	1401633-01		Prepared: 03-Feb-14 Analyzed: 04-Feb-14						
Arsenic	936.9	-	15.1	μg/L	1025.0	ND	91.4	70-130			AS
Matrix Spike Dup (F402010-MSD1)		Source: 1401611-01			Prepared: 03-Feb-14 Analyzed: 04-Feb-14						
Arsenic	61.70	-	15.2	μg/L	49.960	ND	124	70-130	16.9	20	
Matrix Spike Dup (F402010-MSD2)		Source: 1401633-01				Prepared: 03-Feb-14 Analyzed: 04-Feb-14					
Arsenic	63.95	-	15.2	μg/L	49.960	ND	128	70-130	1.67	20	

Eurofins Frontier Global Sciences, Inc.

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Eastern Analytical, Inc

Project: Merrimack Station 200.8

25 Chenell Drive

Project Number: -

Reported:

Concord NH, 03301

Project Manager: Jeff Gagne

13-Feb-14 13:59

Quality Control Data

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch F402010 - EFGS-052 Closed Vo					25,01	TOOUT	78400	Dimits	14.0	Limit	110103
Matrix Spike Dup (F402010-MSD3)	JOSCH T (TETTE		1401611-01		Prepared: (13_Feb_1/	Analyzed; 0	1 Feb 11			
Arsenic	950.3	- Bource.	15.1	μg/L	1025.0	ND	92.7	70-130	1.38	20	AS
Matrix Spike Dup (F402010-MSD4)		Source: 1401633-01			Prepared: 03-Feb-14 Analyzed: 04-Feb-14						
Arsenic	944.8	-	15.1	μg/L	1025.0	ND	92.2	70-130	0.834	20	AS
Batch F402078 - EFGS-052 Closed Vo	essel Nitric	Oven Diges	tion								
Blank (F402078-BLK1)					Prepared & Analyzed: 10-Feb-14						
Silver	ND	-	0.020	μg/L	-						U
Blank (F402078-BLK2)					Prepared &	Analyzed:	10-Feb-14				
Silver	ND	-	0.020	μg/L							U
LCS (F402078-BS1)					Prepared & Analyzed: 10-Feb-14						
Silver	0.874	_	0.100	μg/L	1.0000		87.4	85-115			
LCS Dup (F402078-BSD1)					Prepared &	: Analyzed:	10-Feb-14				
Silver	0.954	-	0.100	μg/L	1,0000		95.4	85-115	8.80	20	
Matrix Spike (F402078-MS1)		Source: 1402060-01			Prepared & Analyzed: 10-Feb-14						
Silver	0.855	-	0.101	μg/L	1.0000	0.009	84.6	70-130			
Matrix Spike (F402078-MS2)		Source: 1402131-01			Prepared & Analyzed: 10-Feb-14						
Silver	0.926	-	0.101	μg/L	1.0000	0.058	86.7	70-130			
Matrix Spike (F402078-MS3)		Source:	1402060-01		Prepared & Analyzed; 10-Feb-14						
Silver	4.802	-	0.101	μg/L	5.1250	0.009	93.5	70-130			AS

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The results in this report only apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.



4.984

11720 Northcreek Pkwy N, Suite 400 Bothell, WA 98011 425.686.1996 Phone 425.686.3096 Fax

Eastern Analytical, Inc

Project: Merrimack Station 200.8

25 Chenell Drive

Silver

Project Number: -

Reported: 13-Feb-14 13:59

Concord NH, 03301

Project Manager: Jeff Gagne

Quality Control Data

AS

Analyte	Result	Detection Limit	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch F402078 - EFGS-052 Closed V	essel Nitric	Oven Diges	tion				-				
Matrix Spike Dup (F402078-MSD1)		Source:	1402060-01	L	Prepared &	: Analyzed:	10-Feb-14				
Silver	1.000	•	0.101	μg/L	1.0000	0.009	99.1	70-130	15.6	20	
Matrix Spike Dup (F402078-MSD2)		Source:	Source: 1402131-01			Prepared & Analyzed: 10-Feb-14					
Silver	1.025	-	0.101	μg/L	1.0000	0.058	96.6	70-130	10.2	20	
Matrix Spike Dup (F402078-MSD3)		Source: 1402060-01			Prepared & Analyzed: 10-Feb-14						

μg/L

5.1250

0.009

70-130

0.101

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Liz Siska, Project Manager

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Eastern Analytical, Inc Project: Merrimack Station 200.8

25 Chenell Drive Project Number: - Reported:
Concord NH, 03301 Project Manager: Jeff Gagne 13-Feb-14 13:59

Notes and Definitions

U	Analyte was not detected and is reported as less than the LOD or as defined by the client. The LOD has been adjusted for any dilution or concentration of the sample.
R-05	The sample was diluted due to the presence of high levels of non-target analytes or particulates resulting in elevated reporting limits.
QM-07	The spike recovery was outside control limits for the MS and/or MSD. The batch was accepted based on LCS and LCSD recoveries within control limits and, when analysis permits, acceptable AS/ASD.
QB-04	The blank was preserved to 2% BrCl rather than 1%. The control limit for blanks preserved to greater than 1% BrCl is the preservation percentage multiplied by the MRL.
AS	This MS and/or MSD is an analytical spike and/or an analytical spike duplicate.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference

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Liz Siska, Project Manager

CHAIN-OF-CUSTODY RECORD

COMPANY: GIZA GREDENVIRON MENTRA ADDRESS: 360 HARVEY ROYD CITY: MANCHESTER FAX: E-MAIL: ROYD ROGRAM: NAME: NAME: ROYD PROJECT #: 2502 PROJECT #: 2502 PROJECT #: POWA ME VT OTHER: GWP, OIL FUND, BROWNFIELD OR OTHER: QUOTE #: PO #: DOO'GESSFIONAL JABOURGE SERVICES POO'GESSFIONAL JABOURGE SERVICES POO'GESSFIONAL JABOURGE SERVICES POO'GESSFIONAL JABOURGE SERVICES POO'GESSFIONAL JABOURGE SERVICES PO #: DOO'GESSFIONAL JABOURGE SERVICES PO #: 2	PRESERVATIVE: H-HCL; N-HNO;; S-H,SO4; Na-NaOH; M-MEOH	MATRIX - A-Alie, S-Coll, GW-Grohind Water		Combination WW	SAMPLE I.D.	
STATE DON MENTAL RUEY ROYNO STR STATE: N.H. ZIP. FIND, BROWNFIELD OR OTHER: PO #:	NaOH; M-MEOH	W. Subface Water DW. Drinking		189 14 7:50 am V	AMPLING ATE / TIME COMPOSITE, ICATE BOTH RT & FINISH ATE / TIME	
DATE NEEDED: STANDAR QA/QC REPORTING LEVEL A B C FYES EXI.: OR PRESUMPTIVE CERTAINTY NO FA SAMPLENOUISHED BY: DATE: RELINQUISHED BY: DATE: 25 CHENELL DRIVE CONCORD, NH 03301 TEL: 603.228.0525 (WHITE: ORIGINAL GREEN: PRO	G WAIE	C WATER		X.	Matrix (see below) Grab/*Composite	
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